

Certification Summary Information (CSI)

EPA/CARB Application Acceptance Date:

CSI.1 General Information (Model Year: 2006)

US Manufacturer/ US Importer: Polaris Industries Inc.		Parent Company Name, if applicable: CARB MFR Code, if any:		Small MFR Recognition:	
Engine Family Name: 6POLX.6834CA	ABT Engine Family: <input type="checkbox"/> EPA Only <input type="checkbox"/> CARB Only <input type="checkbox"/> Both	Application Type: <input type="checkbox"/> New <input type="checkbox"/> Correction <input type="checkbox"/> Running Change <input checked="" type="checkbox"/> Carry Over, from EF: 5POLX.6834CA		CARB: <input type="checkbox"/> SVM EPA: <input type="checkbox"/> SVM <input type="checkbox"/> USVM Certify by Design: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Evaporative/ Permeation Family Name (s):		Sales Areas (of all vehicles in the engine family): <input checked="" type="checkbox"/> 50 States <input type="checkbox"/> 49 States <input type="checkbox"/> California Only <input type="checkbox"/> 49 States + California <input type="checkbox"/> 50 States + California <input type="checkbox"/> 50 States + 49 States <input type="checkbox"/> 50 States + 49 States + California		If you are not the OEM of the vehicle or engine to be certified, please indicate: Name of Vehicle OEM: Polaris Country: USA Name of Engine OEM: Polaris Country: USA	
Vehicle/Engine Category: <input type="checkbox"/> HMC <input type="checkbox"/> OFMC <input checked="" type="checkbox"/> ATV.A <input type="checkbox"/> ATV.B <input type="checkbox"/> UTV <input type="checkbox"/> ENG <input type="checkbox"/> CARB.NC					
Applicant Comments: Engine-based certification per 40 CFR 1051.145, direct to standard – no ABT/FEL. Data carryover from CARB MY05 certification (5POLX.6834CA). Carry-over data not used to generate ABT credits.					

CSI.2: EPA/CARB Emission Standards and Certification Levels (CARB HMC Early Compliance Multiplier:)

	EPA Exhaust Emissions (units: <input type="checkbox"/> g/km; <input checked="" type="checkbox"/> g/kw-hr)				CARB Exhaust Emissions (units: <input type="checkbox"/> g/km; <input checked="" type="checkbox"/> g/bhp-hr)				Permeation HC Emissions (Unit: (g/m ² /day) (EPA only)		Vehicle Evaporative Emissions (Unit: g/test) (HMC CARB-only)
Air Pollutant	HC	NOx	HC+NOx	CO	HC	NOx	HC+NOx	CO	Fuel Tank	Fuel Hoses	Diurnal + Hot Soak
Certification Level			8.2	248			6.1	185			
Emission Standard			13.4	400			10.0	300			
Family Emission Limit											

CSI.3 Engine Family Description

Fuel System (see CSI.4) carburetor	Number of Cylinders: 2 Valves per Cylinder: 2
	Fuel Type: <input checked="" type="checkbox"/> Gasoline <input type="checkbox"/> LPG <input type="checkbox"/> NG <input type="checkbox"/> Other:
Engine Type: <input checked="" type="checkbox"/> Reciprocating <input type="checkbox"/> Rotary <input type="checkbox"/> Turbine <input type="checkbox"/> Other:	Engine Cooling Media: <input type="checkbox"/> Air <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Other:
Combustion Cycle: <input checked="" type="checkbox"/> 4-Stroke <input type="checkbox"/> 2-Stroke <input type="checkbox"/> Other:	Exhaust Useful Life (years): 5 Exhaust Useful Life (hours): 1,000 Exhaust Useful Life (distance): 10,000 Unit: <input checked="" type="checkbox"/> km <input type="checkbox"/> mile
Cylinder Arrangement: <input checked="" type="checkbox"/> Inline <input type="checkbox"/> Vee <input type="checkbox"/> Flat <input type="checkbox"/> Other:	
New Technology: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, technology explanation:	

CSI.4: Exhaust Emission Control Information (use SAE J1930 technology abbreviations)

Catalytic Converter: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: Number of catalytic converter (s): Catalyst Configuration: <input type="checkbox"/> Parallel (P) <input type="checkbox"/> Series (S) <input type="checkbox"/> P+S Catalyst Type: <input type="checkbox"/> Oxidation (OC) <input type="checkbox"/> Three-way (TWC) <input type="checkbox"/> OC+TWC
Exhaust Gas Recirculation (EGR): <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: EGR Type:
Electronic Controls: <input type="checkbox"/> ECM <input type="checkbox"/> ICM <input type="checkbox"/> Other:
Feedback Sensor: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: Number of oxygen sensor (s): Sensor Configuration: <input type="checkbox"/> Parallel (P) <input type="checkbox"/> Series (S) <input type="checkbox"/> P+S Sensor Type: <input type="checkbox"/> O2S <input type="checkbox"/> HO2s <input type="checkbox"/> AFS
Air Injection: <input type="checkbox"/> PAIR <input type="checkbox"/> AIR <input type="checkbox"/> Other:
Fuel System: <input type="checkbox"/> TBI <input type="checkbox"/> MFI <input type="checkbox"/> SFI <input type="checkbox"/> DGI <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Carburetor <input type="checkbox"/> Gaseous Carburetor <input checked="" type="checkbox"/> Carburetor: Number of Carburetors: 1 Barrels per Carburetor: 1
Method of Air Aspiration: <input checked="" type="checkbox"/> Natural <input type="checkbox"/> SC <input type="checkbox"/> TC <input type="checkbox"/> SAA <input type="checkbox"/> TAA <input type="checkbox"/> SAW <input type="checkbox"/> TAW <input type="checkbox"/> Other

Certification Summary Information (CSI – continue)

CSI.5: Exhaust Emission Data Vehicle/Engine and Test Data

EDV ID (or VIN): EDV Type: <input type="checkbox"/> New <input checked="" type="checkbox"/> Carryover, from EF: 5POLX.6834CA Model Name: EH0680LE018		Displacement (cc): 683	N/V Ratio:	EIM (kg):
		Rated Power @ rpm: 32 kW @ 6000	Configuration: 001	Tire Pressure:
		Transmission: CVT	Curb Mass:	Road Load Horsepower:
Assigned DF: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> EPA SVM <input type="checkbox"/> ARB SVM <input type="checkbox"/> 50-State SVM Test Procedure: <input type="checkbox"/> Chassis <input checked="" type="checkbox"/> Engine (J1088) <input type="checkbox"/> Other:				

Test Date (MM/DD/YY)	Test Number	Test By "E"-EPA "A"-ARB "M"-MFR	Test for "C"-Cert "R"-RC "O"-Other	Test Fuel "I"-Indolene, "P"-CA Phase 2	Tested at <input checked="" type="checkbox"/> km <input type="checkbox"/> hr	Raw Emission Test Results (Note: Unit should be the same as the emission standards for the EF)				
						HC	NOx	HC + NOx	CO	CO ₂
3/6/03	1	M	O	I	0	3.2	3.3	6.5	127.5	
3/17/03	2	M	O	I	2500	2.4	3.7	6.1	113.3	
3/26/03	3	M	O	I	5000	3.5	3.5	7.0	108.0	
4/8/03	4	M	O	I	7500	2.4	3.8	6.2	102.3	
4/17/03	5	M	O	I	10000	2.4	4.4	6.8	94.0	
6/19/03	1	M	C	I	0	2.3	3.3	5.6	185.1	
For EPA Certification (50 States and 49 State)		EPA Deterioration Factor (<input type="checkbox"/> Additive <input checked="" type="checkbox"/> Multiplicative)						1.049	1.00	
		EPA Certification level						8.2	248	
For ARB Certification (50 State or CA only)		CARB Deterioration Factor (Multiplicative Only)						1.049	1.00	
		CARB Certification level						6.1	185	
DDV Information, if different that EDV: DDV SN 00012, EDV SN 00025. DDV and EDV from same tooling. EDV is final calibration.										
Manufacturer Comments: Pollutants measurements displayed in g/hp-hr, except for EPA certification levels, which are shown in g/kW-hr. Engine-based testing equivalency to useful life in kilometers defined by CARB-approved DF test procedure; reference CRC-2002-002.										

CSI.6A: Permeation Emissions Control/Test Data (Optional until 2008 MY)

Certify by Emission Testing						
Equipment	Material	Thickness (mm)	Total Inside Area (m ²)	Test Data (g/m ² /day) <input type="checkbox"/> Evap/Perm Test <input type="checkbox"/> Carryover, from: MY: EF:	DF (g/m ² /day) <input type="checkbox"/> New <input type="checkbox"/> EPA DF for SVM <input type="checkbox"/> Carryover, from: MY: EF:	Certification Level (g/m ² /day)
Fuel Tank						
Fuel line						
Certify-by-Design						
Fuel Tank	Fuel tank permeability control technology applied is 40 CFR §1051.245, Table 1, control technology: <input type="checkbox"/> (i) <input type="checkbox"/> (ii) <input type="checkbox"/> Other:					
Fuel line	Fuel lines permeability control technology applied is 40 CFR §1051.245, Table 2, control technology: <input type="checkbox"/> (i) <input type="checkbox"/> (ii) <input type="checkbox"/> Other:					
Manufacturer Comments:						

CSI.6B: Evaporative Emissions Control/Test Data (Highway Motorcycle – CARB-only)

Vehicle Evaporative Emissions Information										
Evaporative Emission Test Vehicle Information				Evaporative Testing Result (raw data : g/test)			Evaporative Deterioration Factors (Additive Factors)			Certification LEVEL (g/test) = {(Diurnal+Hot Soak) + Overall DF}
Evaporative Family	Test Vehicle ID Number	Test Date	Test Type*	Diurnal	Hot Soak	Diurnal + Hot Soak	Vehicle DF	Bench DF	Overall DF : (vehicle + bench)/2	

Manufacturer Notes:

* Test Type: evaporative emission data vehicle (EDV), or vehicle DF emission data vehicle (VDV) or bench emission DF data vehicle (BDF)

Certification Summary Information (CSI – continue)

CSI.7: Models Covered

	Vehicle/Engine Models Covered					
Make (Marketing Division)	Polaris	Polaris				
Model Name	Sportsman 700	Sportsman MV				
Engine Code	EH0680LE018	EH0680LE017				
Vehicle Category	ATV	ATV				
Bore (mm)	80	80				
Displacement <input type="checkbox"/> Liter <input checked="" type="checkbox"/> cm ³	683	683				
Rated Power (kW)	32	32				
RPM @ Rated Power	6000	6000				
Rated Torque (nt-m)	54	54				
RPM @ Rated Torque	5000	5000				
Un-governed Rated Speed (rpm)	6000	6000				
Curb Mass (kg)	347	450				
Transmission (M5, A3, etc.)	AV	AV				
Label Type ¹	2	2				
Emission Control System (model / rating specific)	EM	EM				
Projected Sales (CBI) -- CA Only	200	100				
Projected Sales (CBI) -- US Total (Includes CA Sales)	20,000	10,000				
CARB ONLY: California ATV Specification (Category ATV.A) (Use Yes or No to answer.)						
Vehicle Characteristics	Sportsman 700	Sportsman MV				
50 " or Less in Width?	Yes	Yes				
4 Low Pressure Tires?	Yes	Yes				
Seat Straddled by Operator?	Yes	Yes				
Without Passenger Seating?	Yes	Yes				
Handlebar?	Yes	Yes				
Max Payload 350 lbs?	Yes	No				
(CARB Staff Only)						
California ATV? (Y / N)						
Staff Notes						

¹ Specify, use: "1" for California sales with California label; "2" for 50-state sales with 50-state label; "3" for 49-state sales with 49-state label; or "4" for California and 49-state sales with California and 49-state labels or with California and 50-state label
Revision (2-3-05)